

exit from the module, wherein the one or more ports of the feed screen and filtrate layer contain a molded gasket which has a thickness greater than that of the screen and said thickness of said gasket extends from at least one side of said layer.

11) The module of claim 10 wherein the gasket extends from about 0.001 to about 0.015 inch above at least one side of the screen.

12) The module of claim 10 wherein the gasket extends from about 0.001 to about 0.015 inch above each side of the screen.

13) The module of claim 10 wherein the gasket extends from both sides of the screen.

14) The module of claim 10 wherein the gasket is formed of an elastomeric material selected from the group consisting of thermoplastics, thermoplastic elastomers, thermoset elastomers and rubber, natural and synthetic.

15) The module of claim 10 wherein gasket is formed by injection molding.

16) The module of claim 10 wherein the gasket is in a shape selected from the group consisting of a circle, oval and polygon.

17) The module of claim 10 wherein the gasket is in the shape of a polygon and the polygon is selected from the group consisting of triangles, rectangles, pentagons, hexagons, heptagons, octagons, nonagons and decagons.

18) The module of claim 10 wherein the height of the gasket is also used to vary the channel height of the feed screen.

19) The module of claim 10 wherein the height of the gasket is also used to vary the channel height of the filtrate layer.

20) The module of claim 10 wherein the module is capable of withstanding pressures of from about 50 to about 110 psi without leaking.

21) The module of claim 10 wherein the filter layer is made of a material selected from the group consisting of olefins, metallocene olefinic polymers, PFA, MFA, PTFE, polycarbonate, vinyl copolymers, polyamides, polyesters, cellulose, cellulose acetate, regenerated cellulose, cellulose composites, polysulphone, polyethersulphone, polyarylsulphone, polyphenylsulphone, polyacrylonitrile, polyvinylidene fluoride (PVDF), and blends thereof.

22) The module of claim 10 wherein one or more sealing rims is formed upon the surface of the endcap layer.

23) The device of claim 1 wherein means is one or more structures formed on a surface of the device from a molded thermoplastic or thermoplastic elastomer.

24) The device of claim 1 wherein the sealing means is formed as a gasket.

25) The device of claim 1 wherein the sealing means is formed as an O-ring.

26) The device of claim 1 wherein the sealing means is formed as a sealing rim around at least a portion of the periphery of a surface of one or more of the device components.